

Title (en)
User-code based call treatment.

Title (de)
Auf Benutzerkode basierte Rufverarbeitung.

Title (fr)
Traitement d'appel basé sur le code utilisateur.

Publication
EP 0540257 A2 19930505 (EN)

Application
EP 92309709 A 19921023

Priority
US 78616391 A 19911031

Abstract (en)
Use codes representative of uses of calls are defined as a part of a network numbering plan, and a route or a destination for a call is selected in full or in part on the basis of the use code dialed by a caller in conjunction with the called number via a call-processing arrangement (200) that uses stored definitions of syntax (320, 350) and grammar (400, 410) of the network numbering plan. The syntax definitions are definitions (312) of individual symbol strings, including the use codes, and include the string's associated virtual nodepoint index (VNI 334) which indicates the string's influence on call route selection, an indicator (339) of whether the VNI is to be combined with a VNI resulting from any preceding strings in the caller-dialed symbol-sequence, an indicator (338) of whether the VNI resulting from this symbol string is to be combined with a VNI of any succeeding symbol strings in the symbol sequence, and an indicator (333) of the string's influence on destination selection that specifies whether, and how, the symbols of the string are to be modified. The dialed symbol sequence is parsed (340) into symbol strings and the definitions of those symbol strings are used to selectively combine (341) their VNIs and modify (342) their symbols to form a resulting VNI and symbol sequence that specifies the route and the destination for the call.

IPC 1-7
H04Q 3/47

IPC 8 full level
H04M 3/42 (2006.01); **H04Q 3/00** (2006.01); **H04Q 3/47** (2006.01); **H04Q 3/545** (2006.01); **H04Q 3/58** (2006.01); **H04Q 3/66** (2006.01)

CPC (source: EP US)
H04Q 3/0029 (2013.01 - EP US); **H04Q 3/47** (2013.01 - EP US); **H04Q 2213/13531** (2013.01 - EP US); **H04Q 2213/13541** (2013.01 - EP US)

Cited by
EP0557644A3; EP0540255A3; EP0540256A3; EP0540258A3; EP0540253A3; EP0540254A3; EP0557646A3; EP0699007A3; CN1080079C;
EP0557643A3; EP0557645A3; EP0557647A3

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0540257 A2 19930505; **EP 0540257 A3 19950222**; CA 2076521 A1 19930501; CA 2076521 C 19970325; JP 3066205 B2 20000717;
JP H0670356 A 19940311; US 5343517 A 19940830

DOCDB simple family (application)
EP 92309709 A 19921023; CA 2076521 A 19920820; JP 31431992 A 19921030; US 78616391 A 19911031